

ABSTRACT OF THE DISCLOSURE

The present invention provides methods and compositions to treat fibrotic conditions, to increase lymphocyte production *in vivo*, and to improve and/or normalize lung function, pulmonary compliance, blood oxygenation, and blood pH to inhibit inflammatory processes to stimulate or inhibit pro-inflammatory and immune cells, and to inhibit migration of vascular endothelial cells. The invention contemplates the administration of human uteroglobin, native or recombinant, as a means of achieving these ends. Specifically, it has been found that uteroglobin inhibits cell adhesion to fibronectin, increases lymphocyte production *in vivo*, and improves and/or normalizes lung function, pulmonary compliance, blood oxygenation, and blood pH, and inhibits inflammatory process. In addition it has been found that uteroglobin can stimulate or inhibit pro-inflammatory and immune cells and inhibitor migration of vascular endothelial cells.